Resume / Curriculum Vitae

Dr. LOKESH N S

 B.E., M.E., Ph.D., FIE (India),MISTE

Fellow of Institution of Engineers (India), FIE Number: 1264017,   IEEE – Professional Member, ACM Member

Editorial Board Member –INTERNATIONAL JOURNAL FOR COMPUTER APPLICATION (IJCA is now being indexed with EBSCO, Google Scholar, Informatics, ProQuest CSA Technology Research Database, NASA ADS (Harvard Univ.), Cite Seer, Ulrich Web, Scientific Commons (Univ. of St. Galleons), University of Karlsruhe, Germany, Penn State University)

Professor @ SJC INSTITUTE OF TECHNOLOGY IN CSE DEPARTMENT, CHIKKABALLAPURA

Email : lokns315@gmail.com,   OFFICIAL Email : lokeshns.cse@sjcit.ac.in , Ph:+91-8073039996(Mob)

PROFESSIONAL SUMMARY
TOTAL EXPERIENCE : 19+ YEAR
ACADEMICS EXPERIENCE : 19+ YEARS

Dedicated, resourceful and innovative academician and researcher with Doctorate in Computer Science Engineering offering 19 years of well-honed Teaching and Research experience with knowledge across the domain of Computer Science and IT. Adept at college/university level teaching. Guides Research Scholars and Post Graduate students in their projects and publications. In-depth understanding of own specialism to enable the development of new knowledge and understanding within the field. Keep abreast of the latest developments in trends as well as administrative techniques in the respective field, and move in consonance with the changing times. Highly skilled in developing interdisciplinary collaborations and novel teaching methods, and modes of instruction that will fully engage the students in the learning process. Dedicated partner to university programs and outreach events that help promote learning and support the student community. Holds a distinguished record of publications in academic journals and is recognized for his commitment towards research and analysis.

SKILL PORTFOLIO	RESEARCH DOMAIN
• Curriculum Development	• Speech Recognition,NLP
• Research Expertise	• Vehicle Adhoc Networks
• Classroom Management	• Internet of Things
• Learning Methodologies	• Cloud Computing & Security
• Administration	• Artificial Intelligence
• Placement Coordination	• Data mining
• People Management	• Image Processing
• Academic Advisor	• Block chain
• Students Counselling	HCI

Research, Innovation

- Supervising 2 Research Candidates , 3 Research Scholars completed.
- To supervise and coordinate research projects for students and research scholars.
- To coordinate between industry and academia regarding research opportunities and mapping industry needs to research projects and proposals.
- To manage and contribute to multiple collaborative research projects with investigators across the university and other institutions.
- To implement research, generate publications, develop community linkages for University- Community partnership
- To organize Student Development Program and Faculty Development program for the Department and students

Ongoing International Research Collaboration

1. University of Liver Pool John Moore University, United Kingdom.
2. University of Central Lancashire, United Kingdom.

International Academic collaboration and MOU'S

1. Qatar, United Arab Emirates, Oman, Ethiopia, Brunei, Malaysia, Singapore, South Florida, Vietnam.

Special Contribution in the Institutions - Apart from Academics
(Presidency University - Bengaluru)

1. Professional Society – Institution of Engineers (India) – Professional Membership Promotion.
2. Co-ordination for International Affairs in school of computer science and Engineering and Information Science
3. Research and Innovation contributions – Judge for various Innovation competitions.
4. Keynote speaker – In conferences of other Universities.

(Parul University School of CSE – Vadodara)

1. Dean – University Press
   Newsletters, Quarterly Magazines, Yearbook
2. Advisor –Parul University Advance
   Research Institute Advisor for
   approved funding projects
3. Institution of Engineers (India) - Professional Society Convener
4. International Academic collaboration and MOU.
5. Member of Industrial link committee – co-coordinator on job training
6. IT committee of school of CSE

Research Supervisor id : 3140047 (ICE) ,Anna University,Chennia

Research Supervisor in VTU,Karnataka

Research Supervisor in Parul University,Gujarat

Research Supervisor in Presidency University,Bangalore

Name	Dr. Lokesh .N .S (Lokesh Nelligere Selvarajshivalingegowda)
Date of Birth	08-04-1983 (8th-April-1983)
Address	Residential Address: 536/48 Balaji Residency 27th Cross 3rd A Main Ragavendra Layout, Hulimavu Bannergatta Road Bangalore-560076, Karnataka Parmanent Address: Lalithadri Nilya, 1st crs sy.no 45, MarammaTemple Road , Kembathalli , Bangalore-560083.

Education	Degree/Dipoma	Institution, University	Class Obtained	Year
	S S L C	Government School, Karnataka	Distinction with First Class(80%)	1998
	Diploma, Computer Science Engineering	J.S.S. Polytechnic for Physically Handicapped ,Mysore	First Class (69%)	1998-2001
	B.E. (Computer Science and Engg.,)	BTL Institute of technology, Bangalore, Visvesvaraya Technological University,karnataka	First Class (68%)	2001-2004
	M.E.(Computer Science and Engg.,)	Sri Krishna Institute of Technology	Distinction with First Class(75%)	2004-2006
	Ph.D. **Computer Science and Engg.,**	R&D Centre, CSE Department ,Indra Ganesan College of Engineering, Anna University,	**Awarded** in December 2015	2010-2015
	Title of the PhD Thesis: **Enhancing speech recognition using minimal weighted Mel frequency cepstral coefficients and improved particle swarm optimization.**			

Experience Details	Designation	Institution/ Organization	Duration
(19+ yrs) **Academic and Research**	Assistant Professor in CSE Dept.	Hindustan Institute of Technology, Coimbatore, Tamilnadu,	Aug 2006 – July 2012.
	Associate Professor in CSE Dept.	Hindustan Institute of Technology, Coimbatore, Tamilnadu,	Sept 2012 – July 2017.
	Professor and Head in CSE Dept.	Hindustan Institute of Technology, Coimbatore, Tamilnadu (NAAC A)	July 2017 - Sept 2019
	Professor and Dean Academic and Research in School of CSE of Engineering	Parul University School of CSE, Vadodara,Gujarat (NAAC A++)	July 2019 - Sept 2022
	Visiting Professor in AI&DS Dept.	PSG Institute of Technology and Research, Coimbatore (NAAC A+), Coimbatore, Tamilnadu,	July2021 – Oct 2025
	Professor in School of CSE	Presidency University, Bangalore	Sept-2022-Feb 2023
	Professor and Head in CSE(AIML) Department,	AMC Engineering College Bangalore(NAAC A+)	Feb-2023 to Sept 2025
	Professor in CSE Department	SJC Institute of Technology,Chikkaballapura, Karnataka	Oct-2025 to Till Continue (Present Working)

Professional Experience	- External Examiner, PhD thesis Evaluation at VTU (1), Anna University(1), G T U (1) , - Member, BOS, CSE/ISE Board, Hindustan Institute of Technology. - Member, BOE in ISE, Ganapath University, Gujarat 2020-2022 - Chief Editor – Parul Tech-tales (7th edition-2021 issues), Annual magazine of Parul University. - Program-Chair- International Conference PICET-2020, PICET-2022 @ Parul University - General-Chair-- International Conference ICNGCS-2023, ICNGCS-2024@ PSGIT - Program-Chair- - International Conference ICNIT-2018 @ HIT - Subject Expert – Staff Selection Committee at SITAR,Ganapath University. PSGIT,VVIT - Reviewer, IUP, IJWNBT, MRJER, AJEHS, AJET and at various National/International Conferences/Journals - Chief Mentor, AICTE Margadarshak Scheme - Chairperson, Technical Paper presentation at National/International Conferences - Invited Speaker and Resource person at FDPs/ National/International Conferences - Secretary, Science & Cultural Forum (2010-2014), HIT. - Secretary, Technical Events, Utsav Fest (2013-2016), HIT - Member, INTERNET & INTRANET Committee at ,PSGITAM - Member, Academic Curriculum Committee, PS G I T (Autonomous). - Member, Academic Programme Committee, TEQIP,HIT - Coordinator, Presentation and Cultural committee, Accreditation Process, HIT, ,PSGIT - Member, Computers purchase committee, 2010-2012, HIT. - External Deputy Chief Superintendent at HIT(2009), (2012) for University Theory Exams. - Chief Mentor/Coordinator, Establishment/Setup of specialized Computer Laboratories at HIT(AI and CG Lab, RDBMS Lab), Advisory Committee member at International/National Conferences - Expert member, PhD registration Committee in CSE @ PARUL UNIVESITY for Interview and Scrutiny of Applications, 2019-2022
Subjects Taught	Data Structures in C/C++, Computer Graphics, Artificial Intelligence and Agent Systems, RDBMS, OS, Parallel Processing, Analysis and Design of Algorithms, Microprocessors, System Software, Advanced DBMS, Pattern Recognition, Neural Networks, Unix and Shell Programming, Unix Systems Programming, Embedded Systems, Real Time Systems, Dotnet ,Computer Organization, Discrete Mathematical Structures, Object Oriented Programming with C++, OOAD, Finite Automata and Formal Languages, Compiler Design, Logic Design, Software Engineering and Project Management, Distributed Computing Systems, C r y p o g r a p h y & Network S e c u r i t y , Web Programming with LAMP, Programming in C/C++/ Java, Python Application Programming, Machine Learning-1,AdvancedML,DeepLearning, Introduction to Block-chain, IOT, IDT,PCD.
Areas of Research Interest	Speech and Language Processing, Vanet and Manet, Statistics and Machine Learning, Generative AI Human Computer Interaction, Big Data Analytics, ,AI and Machine Learning, Nextgen healthcare , Blockchain and IOT with Cloud Computing,Quantam Computing
Research Guidance	Guided and Produced 3 Doctorates: - Dr. Jayaraj (2024, AU-TN) –Title "Adaptive neural network models for efficient automatic image annotation" - Dr. Krishna Kumar.L (2024, , AU-TN) –Title "internet of Things in Cloud Computing using Light Fidelity for Autonomous Vehicles" - Dr. Gnanendra Kotikam (2025, AU-TN)-Title: "Optimizing classification efficiency with deep learning techniques for big data"
PhD Thesis Evaluation	Seth Tejaskumar Bhikhabhia –Gujarath Technological University, January-2025.

Research Grants Fetched	Completed research projects under grants from various funding agencies. 1. Assistive Communication Device For Elderly People And Speech Disability After Stroke Funding Agency : Hindustan Institute Of Technology Funding Amount : 15Lakhs Inr Duration : 01-04-2016 To 31-06-2018 Role : Co-Principal Investigator Status : Completed 2. AI,Iot and Digital Technologies for Future Sustainable Smart Cities Funded By the Royal Academy Of Engineering, United Kingdom . Funding Amount : 80,000 Gbp (83.00 Lakhs Inr) Duration : 26-07-2019 To 30-04-2022 Role : Principal Investigator Status : Completed 3. Design And Pilot Implementation Of Open-Access Web-Portal Using Machine Learning For Predictive Analysis And Visualization Of Maternal And Child Under- Nutrition In India On Nifs Data, Funded By Indian Council Of Medical Research (ICMR), New Delhi, India. Funding Amount : 53 Lakhs Inr Duration:18-08-2019 To 31-03-2022 Role : Principal Investigator Status : Completed 4. ATAL FDP for Dept of AI&DS 2021-2023 in PSGIT 5. ATAL FDP for Dept of CSE 2018-2019 in PSGIT
Work Shops/ Conferences Organized	Workshop on " Computer Graphics and Visualization", 4-days at HIT, Coimbator (28th – 31st Jan 2009) Workshop on "Programming the Web and S/W Architecture", 4-days at HIT, Coimbator (27-30th July 2011) 3-day In-house FDP on "Database Application Development using Python/Java", in association with ISE and MCA departments, July 20-22, 2017 3-day In-house FDP on "Web Technology and Applications", in association with HIT,January 23-24, 2020 3-day FDP on "Python Application Programming" , Jan 28-30, 2022, PSGIT, Dept of AI&DS Faculties and students, other faculties International Conference on Data Engineering and Communication Systems ICDECS-2019 at HIT, December 19-20, 2019
Work Shops/ FDPs/ Seminars **Attended**	Work shop on Advanced Data Structures & Object Oriented Software Engg. 10 days, 6-16 Nov 2013 at Thiagaraj College of Engineering and Technology. Work shop on Artificial Intelligence & Expert Systems, 22-23 Sep 2012 at PSGIT. Workshop on E-Commerce & E-Business Applications, 6,7 2019, IIItb-Bangalore Three days workshop on ISO 9000:2000, A process approach for effective Quality Management 5-7th Nov2018. PSGIT. STTP on "Data Mining & Data Warehousing" held at SKCET, Feb 20-27th 2015. Research Opportunities in Optimization Techniques, Sep 30, 2022, Prof. Professor and Chairman, IIT, Chennia

Expert /Invited Lectures Delivered	Lecture on "Artificial Intelligence and Its Applications" at PSG College of Engineering, Coimbatore, on 24-03-15

Lecture on "Artificial Intelligence and Its Applications" at HIT, March 2017

Talk/presentation on "Innovative Approaches/Methodologies for handling Practical Classes" at SKIET for faculty during Feb 2014

Lecture on "Structural Testing – Path testing" at FDP on Software Testing, HIT , 21/01/2013

Talk on " Brand Building for PSGIT", 14th June 2023

Talk on "Strings in C, FDP on PCD at HIT, July 24, 2014.

Lecture on "AI and Agent Systems" at HIT, , 12th April 2017 |
| **Books Published** | Technical Books:

1.Perspectives on Social Welfare Applications' Optimization and Enhanced Computer Applications Nelligere S. Lokesh India),Ponnusamy Sivaram (G.H. Raisoni College of Engineering, Nagpur, India), S. Senthilkumar (University College of Engineering, BIT Campus, Anna University, Tiruchirappalli, India), Lipika Gupta (Department of Electronics and Communication Engineering, Chitkara University Institute of Engineering and Technology, Chitkara University, India), Indexed In: SCOPUS   Release Date: August, 2023|Copyright: © 2023 |Pages: 336 DOI: 10.4018/978-1-6684-8306-0ISBN13: 9781668483060|ISBN10: 1668483068|ISBN13 Soft cover: 9781668483077|EISBN13: 9781668483084 |
| **Project Works Guided** | 50+ projects for UG Students at an average of 2-3 projects/year, with a team size of maximum of 4 students/team

20+ projects for PG Students at an average of 2 projects/year, with a team size of 1 student/team |
| **Reseach Papers Presented / Published in Journals** | [1] Seshu Chakravarthy T, Lokesh S, 2024, 'HIKS: A K-shell-weighted hybrid approach method for detecting influential nodes in complex networks using possible edge weights'. International Journal Communication Systems., e5722. https://doi.org/10.1002/dac.5722 **[AU Annexure I]**

[2] Selvakumar K and Lokesh S 2024, 'A cryptographic method to have a secure communication of health care digital data into the cloud', Automatic: Journal for Control, Measurement, Electronics, Computing, and Communications, vol.65, no.1, pp. 373-386, ISSN: 51144. https://doi.org/10.1080/00051144.2023.2301240 **[AU Annexure I]**

[3] M. Ramya Devi & S. Lokesh, 2024, 'Intelligent accident detection system by emergency response and disaster management using vehicular fog computing', Automatika, 65:1, 117-129, https://doi.org/10.1080/00051144.2023.2288483 **[AU Annexure I]**

[4] Thota Seshu Chakravarthy & Lokesh. S 2023, 'NNPEC:Neighborhood node propagation entropy centrality is a unique way to find the influential node in a complex network', Concurrency and Computation Practice & Experience, vol. 35, no. 12, p. e7685. https://doi.org/10.1002/cpe.7685 **[AU Annexure I]** |

[5] Gnanendra Kotikam & Lokesh Selvaraj, 2023, 'Golden eagle based improved Att-BiLSTM model for big data classification with hybrid feature extraction and feature selection techniques', Network: Computation in Neural Systems, https://doi.org/10.1080/0954898X.2023.2293895 **[AU Annexure I]**

[6] Krishna Kumar L. & Lokesh S, 2023, 'Jacobian linear regression and Tate Bryant Euler angle enabled autonomous vehicle LiFi communication sustained IOT', Automatika, 64:4, 1095-1106, https://doi.org/10.1080/00051144.2023.2247910

[7] Gnanendra Kotikam & S. Lokesh, 2023, 'Big Data Classification Using Enhanced Dynamic KPCA and Convolutional Multi-Layer Bi-LSTM Network', IETE Journal of Research, https://doi.org/10.1080/03772063.2023.2173667 **[AU Annexure I]**

[8] Aramuthakannan, S. & Devi, M. & Selvaraj, Lokesh & Ravi, Kumar. 2023. 'Movie recommendation system using taymon optimized deep learning network'. Journal of Intelligent & Fuzzy Systems. 45. 1-16. DOI: 10.3233/JIFS-231041**[AU AnnexureI]**

[9] M. Ramya Devi, I. Jasmine Selvakumari Jeya S. Lokesh (2023) Adaptive scheduled partitioning technique for reliable emergency message broadcasting in VANET for intelligent transportation systems, Automatika, 64:2, 341-354, https://doi.org/10.1080/00051144.2022.2140392**[AU Annexure I]**

[10] S. Aramuthakannan, M. Ramya Devi, S. Lokesh, and R. Manimegalai. 2023. 'Movie recommendation system via fuzzy decision making based dual deep neural networks'. Journal of Intelligent & Fuzzy Systems, 44, 3 (2023), 5481–5494. https://doi.org/10.3233/JIFS-222970**[AU Annexure I]**

[11] R. Jayaraj and S. Lokesh, 2023 "Automatic image annotation using adaptive convolution deep learning model," Intelligent Automation & Soft Computing, vol. 36, no.1, pp. 481–497. https://doi.org/10.32604/iasc.2023.030495

[12] Kotikam Gnanendra, Selvaraj Lokesh, 2023 YARN Schedulers for Hadoop MapReduce Jobs: Design Goals, Issues and Taxonomy, Recent Advances in Computer Science and Communications; 16 (6). https://dx.doi.org/10.2174/2666255816666220831125012

[13] S. Lokesh, Sudeshna Chakraborty, Revathy Pulugu, Sonam Mittal, Dileep Pulugu, R. Muruganantham (2022), AI-based big data analytics model for medical applications,Measurement: Sensors,Volume 24, 100534, ISSN 2665-9174. https://doi.org/10.1016/j.measen.2022.100534

[14] G. Srinivasa Sudharsan, R. Venkatasubramanian, N. Hemalatha, Radhika G. Deshmukh, Mohana Alanazi, Ahmad Almadhor, S. Lokesh, Karthikeyan N., M. Sudhakar (2022), Power yield improvement of wind turbine and fatigue load mitigation using predictive-based Active flow controller, Energy Reports, Volume 8, Supplement 8, Pages 989-998,ISSN 2352-4847, https://doi.org/10.1016/j.egyr.2022.10.285.

[15] Dillip Narayan Sahu Prasath Alias Surendhar S, S. Lokesh, Krishnakumar. N.J, T Vandarkuzhali (2022). Classification of EEG signals using machine learning and deep learning techniques, International Journal of Health Sciences, vol. 6, issue 1, 10794– 10807, https://doi.org/10.53730/ijhs.v6nS1.7595

[16] Lokesh, S., Priya, A., Sakhare, D. T., Devi, R. M., Sahu, D. N., & Reddy, P. C. S.(2022). CNN based deep learning methods for precise analysis of cardiac arrhythmias. International Journal of Health Sciences, 6(S1), 10808–10819. https://doi.org/10.53730/ijhs.v6nS1.7596

[17] Lokesh, S., Aramuthakannan, S., Darshan, B. D., Lone, F. A., Velu, C. M., & Sucharitha, Y. (2022). Data Analytics Using Machine Learning For Iot-Enabled Healthcare Systems. Journal of Positive School Psychology, 6978-6985.

[18] Easwaran, B., Aramuthakannan, S., Lokesh, S., Kumar, R., Saikia, K. J., & Saikia, U. (2022). A Study on the Use of Data Science in Healthcare Applications and the Mathematical Issues in Data Science. JOURNAL OF ALGEBRAIC STATISTICS, 13(3), 2535-2541.

[19] Jeya, I. J. S. ., Lokesh, S. ., & Devi, M. R. . (2021). Secure and Authenticate Indexing of Medical Images Using Region of Non-Interest . Recent Developments in Medicine and Medical Research Vol. 6, 47–56. https://doi.org/10.9734/bpi/rdmmr/v6/12785D

[20] Selvakumar, K., Lokesh, S. The prediction of the lifetime of the new coronavirus in the USA using mathematical models. Soft Computing (2021). Springer https://doi.org/10.1007/s00500-021-05643-2

[21] R.E. Vinodhini, Lokesh S & K. Vimalkumar, (2020), Survey on Vehicle License

Number Plate Detection, Jour of Adv Research in Dynamical & Control Systems, Vol. 12, 01-Issue.

[22] Sivakumar Krishnan, S. Lokesh, M. Ramya Devi, (2019) "An efficient Elman neural network classifier with cloud supported internet of things structure for health monitoring system", Computer Networks, Volume 151, Pages 201-210. https://doi.org/10.1016/j.comnet.2019.01.034 **[AU Annexure I]**

[23] Dr. S. Lokesh, Suvetha. S, Swathi. M, (2019), Online Adaptive Assessment Platform, International Journal of Scientific Research in Computer Science, Engineering and Information Technology, Techno science Academy, https://doi.org/10.32628/CSEIT11951144,Volume5,issue2.

[24] S.Lokesh, Langesh.D & Prakash.K (2019), Enhanced Online Education System

using Information and Communication Technologies, International Journal of Computer Science and Network, D-LAR Labs publisher, 2019,Volume 8,Issue 2, April 2019, PP 132- 137.

[25] Vijayarangam, S., Megalai, J., Krishnan, S. et al. (2018) "Vehicular Cloud for Smart Driving Using Internet of Things " Journal Medical System 42: 240. https://doi.org/10.1007/s10916-018-1105-4**[AU Annexure I]**

[26] Krishnan, S., Lokesh, S. & Ramya Devi, M. (2018) "Internet of things for knowledge administrations by wearable gadgets", Journal Medical System 42: 230. https://doi.org/10.1007/s10916-018-1081-8 **[AU Annexure I]**

[27] Ramya Devi M, Krishnan S, Lokesh S. (2018), An optimal Internet of Things–based smart cities using vehicular cloud for smart driving. Concurrency Computat Pract Exper. 2018; e5037.

https://doi.org/10.1002/cpe.5037**[AU Annexure I]**

[28] Lokesh, S., Kanisha, B., Nalini, S. et al. (2018) "Speech to speech interaction system using Multimedia Tools and Partially Observable Markov Decision Process for visually impaired students", Multimed Tools Appl. PP.1-20, https://doi.org/10.1007/s11042-018-6264-2**[AU Annexure I]**

[29] Priyan Malarvizhi Kumar, S. Lokesh, R. Varatharajan, Gokulnath Chandra Babu, P. Parthasarathy, Cloud and IoT based disease prediction and diagnosis system for healthcare using Fuzzy neural classifier, Future Generation Computer Systems,2018, https://doi.org/10.1016/j.future.2018.04.036. **[AU Annexure I]**

[30] Lokesh, S., Malarvizhi Kumar, P., Ramya Devi, M. et al. An Automatic Tamil Speech Recognition system by using Bidirectional Recurrent Neural Network with Self-Organizing Map Neural Comput & Applic (2018). https://doi.org/10.1007/s00521- 018-3466-5**[AU Annexure I]**

[31] Kumar R, Lokesh S & Ramya Devi, M. (2018), Identifying Camouflaging Adversary in MANET Using Cognitive Agents, Wireless Personal Communication, https://doi.org/10.1007/s11277-018-5378-1. **[AU Annexure I]**

[32] Kanisha, B., Lokesh, S., Kumar, P.M. et al. Speech recognition with improved support vector machine using dual classifiers and cross fitness validation Pers Ubiquit Comput (2018). https://doi.org/10.1007/s00779-018-1139-0**[AU Annexure I]**

[33] Lokesh, S. & Devi, M.R. Speech recognition system using enhanced Mel frequency cepstral coefficient with windowing and framing method Cluster Compute (2017). https://doi.org/10.1007/s10586-017-1447-6**[AU Annexure I]**

[34] Manikandan, T. Senthilkumar, Dr. S. Lokesh, M. Ramya Devi, " Opportunities and Challenges in Airborne Internet with Fly-In, Fly-Out Infrastructure", International Journal of Scientific Research in Science, Engineering and Technology(IJSRSET), Print ISSN : 2395-1990, Online ISSN : 2394-4099, Volume 4 Issue 4, pp.1464-1469, March-April 2018.

[35] T. Senthilkumar, B. Manikandan, M. Ramya Devi, S. Lokesh, "Technologies Enduring in Internet of Medical Things (IoMT) for Smart Healthcare System", International Journal of Scientific Research in Computer Science, Engineering and Information Technology (IJSRCSEIT), ISSN : 2456-3307, Volume 3 Issue 5, pp. 566- 572, May-June 2018.

[36] M. Ramya Devi, S. Lokesh, B. Manikandan, T.Senthilkumar, "Vehicular Cloud

Computing Based Intelligent Transportation System for Traffic Management and Road Safety", International Journal of Computer Sciences and Engineering, Vol.6, Issue.7, pp.970-975, 2018.

[37] Kumar, R., & Lokesh, S. (2015). "Fast and secure transmission of information

among groups using a key management scheme". International Journal of Computer Science and Mobile Computing, 4(11), 40–47.

[38] Selvaraj, L., and Ganesan, B. (2014) Enhancing speech recognition using improved

particle swarm optimization based Hidden Markov Model. Scientific World J. DOI: 10.1155/2014/270576.

[39] S.Lokesh and G.Balakrishnan, "Speech Enhancement using Mel-LPC Cepstrum and

Vector Quantization for ASR", European Journal of Scientific Research, vol.73,No.2, pp. 202-209, 2012.

[40] S. Lokesh, G. Balakrishnan, S. Malathy, and K. Murugan, "Computer

Interaction to human through photorealistic facial model for inter-process communication", in International Conference on Computing Communication and Networking Technologies (ICCCNT), 2010, pp. 1-7.

[41] Lokesh, S & Balakrishnan, G, Accelerating Vector Quantization Algorithm for Codebook Design in Speech Recognition System, International Journal of Applied Engineering Research, republication, 2014, Vol. 1,No.10, pp. 43-45.

[42] S. Lokesh, S. Malathy, K. Murugan and, G. Sudhasadasivam (2010), Adaptive Slot Allocation and Bandwidth Sharing for Prioritized Handoff Calls in Mobile Networks, International Journal of Computer Science and Information Security, Vol.8 , 52-57.

[43] S.Lokesh and G.Balakrishnan, "Robust Speech Feature Prediction Using Mel-LPC to Improve Recognition Accuracy", Information Technology Journal, vol. 11, no.11, pp. 1644-1699, 2012.

[44] Lokesh, S & Balakrishnan, G, Fast Vector Quantization Codebook Generation Based on Observance Parameter and Improved Clustering Algorithm, Archives Des Sciences 2013, vol.66,no.2, pp.368- 376.

[45] Lokesh, S & Balakrishnan, G, Analysis of various Efforts to compensate for Automatic Speech Recognition Deficiencies in Spoken Dialogue System, Asian Journal of Information Technology, Medwell journals, 2013, vol.12, no.1, pp.1-13

[46] Parallelization of Knight's Tour Using Naive Algorithm R Manimegalai, S Lokesh, S Krishnadharani International Conference on Smart System for Integrated Computing and Fusion of deep recurrent neural network models and fuzzy decision support system for tweet sentiment analysis and classification A Sherin, S Lokesh, SN Deepa, I Jasmine Selvakumari Jeya Automatika 66 (4), 28-50

[47] Deep-APT: deep learning based efficient accident prevention technique in fogged environment M Ramya Devi, S Lokesh, A Ahilan Signal, Image and Video Processing 19 (5), 1-10

[48] Deep-APT: deep learning based efficient accident prevention technique in fogged environment Signal, Image and Video Processing 19 (5), 1-10

[48] **IoT Based Aid Device for Visually Impaired** Authors S Lokesh, P[1] Sukesh, S[1] Tejaswini, M[1] Meera Proceedings of the International Conference on Advanced Research in Electronics and Communication Systems (ICARECS 2025) Publication date 2025/6/29 Volume 38 Pages 5 Springer Nature

International Conferences

[1] Dr.S.Lokesh , R.Mohammed Elliyas, S.Prathiba & M.Ragasudha, "Vehicular Cloud Data Collection For Intelligent Transportation System" International conference on Emerging technique in Engineering Technology and Management 2019, 23rd March 2019, Coimbatore, India, ISBN 978-93-81288-18-4.

[2] S.Lokesh, "Analysis and Detecting Malicious Behavior in Face book Application Using Frappe" International Conference on Green, Intelligent Computing and Communication Systems (ICGICCS'17) on March 9-10, 2017.

[3] S Lokesh and G Balakrishnan, 2015, "Face Reorganization using Laplacian Faces", IEEE International Conference on Engineering Technology (ICETECH) on 20th March 2015 at Rathinam Technical Campus, Coimbatore.

[4] S Lokesh and G Balakrishnan, 2014, "Accelerating Vector Quantization Algorithm for Codebook Design and Training in Speech Recognition System", International Conference on Recent Trends in Engineering and Management on 11th April 2014 at Indra Ganesan College of Engineering, Tirchy.

[5] S Lokesh and M Ramya Devi, 2013, "Efficient Algorithm for neighbor Discovery in Wireless Networks", First International conference on Futuristic Trends in Computer Science and Engineering & Information technology on 28th January 2013 at Thiruvalluvar College of Engineering and Technology.

[6] S Lokesh and G Balakrishnan, 2010, "Computer Interaction to human through photorealistic facial model for inter-process communication", IEEE International Conference on Computing, Communication and Networking Technologies (ICCCNT) on 29th July 2010 at Chettinad College of Engineering and Technology, Karur.

[7] S Lokesh and G Balakrishnan, 2010, "Computer Interaction to human through photorealistic" International Conference on Global Computing and Communication on 9th December 2009 at Hindusthan University, Chennai.

[8] Design and development of Covid-19 pandemic situation based contactless automated teller machine operations Authors S Lokesh Nelligere, R Chandramma, Purnendu Shekhar Pandey Publication date 2023/12/11 Journal AIP Conference Proceedings Volume 2855 Issue1 Pages 06 0001 Publisher AIP Publishing LLC

National Conferences

[1] S.Lokesh, "Malicious Behavior in Social Media Using FRAppE", "National conference on Advances in Computing Technologies(NCACT-17) on Feb. 23- 24,2017.

[2] S.Lokesh, "Routine Scrutiny of Multimedia Recovery Consecutively Running on Multicore" , National conference on Advances in Computing Technologies(NCACT-17) on Feb.23-24, 2017.

[3] S Lokesh, 2013, "Vector Quantization Algorithm for designing Codebook for Speech Recognition", National Conference on Emerging Trends in Intelligent Computing and

| | | Technologies on 2nd February 2013 at Karpagam College of Engineering, Coimbatore.

[4] S Lokesh, 2010, "Robust Speech Feature Prediction Using Mel-LPC", National level Conference on Emerging Trends in Computing Technologies on 28th October 2010 at Karpagam University, Coimbatore.

[5] S Lokesh, 2007, "Creating Speech-Synchronised with Realistic Human animated Face", National Conference on networks, Intelligence and Computing Systems on 8th February 2007 at SNS College of Technology, Coimbatore. | | | |

[4] S Lokesh, 2010, "Robust Speech Feature Prediction Using Mel-LPC", National level Conference on Emerging Trends in Computing Technologies on 28th October 2010 at Karpagam University, Coimbatore.

[5] S Lokesh, 2007, "Creating Speech-Synchronised with Realistic Human animated Face", National Conference on networks, Intelligence and Computing Systems on 8th February 2007 at SNS College of Technology, Coimbatore.

Patent Details

	Title of the invention	Application No	Date filing	Publication
1.	Vehicle Tracking and Control Systems	1438/CHE/2015	4.06.2016	15.07.2016
2.	An unique Non-Invasive Public Transportation Ticketing system using RFID for Handling Safe in Pandemics	202141032230	23.07.2021	12.08.2021
3.	Online real estate management system	202241024170 A	25/04/2022	13/05/2022
4.	Enhancing virtual intranet server performance in both online and offline Mode	202241024201 A	25/04/2022	13/05/2022
5.	Covid 19 future forecasting system	202241024202 A	25/04/2022	13/05/2022
6.	New firms for bias analysis using nlp mode	202241024222 A	25/04/2022	13/05/2022
7.	Embedding secure sms using image steganography	202241024225 A	25/04/2022	13/05/2022
8.	Credit card fraud detection using machine learning	202241024238 A	25/04/2022	13/05/2022
9.	A prediction approach for stock market volatility based on time series data	202241024241 A	25/04/2022	13/05/2022
10.	Intrusion detection system (ids)	202241024246 A	25/04/2022	13/05/2022
11.	Machine learning techniques for 5g and 6g	202241024249 A	25/04/2022	13/05/2022
12.	Ddos attack detection using machine learning	202241024258 A	25/04/2022	13/05/2022
13.	Svm based detection of phishing website	202241024259 A	25/04/2022	13/05/2022
14.	Voice based emotion recognition using neural network	202241024261 A	25/04/2022	13/05/2022
15.	Cursor control by hand gesture	202241024262 A	25/04/2022	13/05/2022
16.	Media player based on facial and hand gestures	202241024263 A	25/04/2022	13/05/2022
17.	A trusted trading framework using block chain in ecommerce	202241024266 A	25/04/2022	13/05/2022
18.	Data integrity and secured data analysis for corporate management	202241022043 A	3/04/2022	06/05/2022
19.	Food nutrition detection system using deep learning and fuzzy logic	202241022985 A	9/04/2022	06/05/2022
20.	Crop harvest forecasting in Indian agriculture using machine learning approaches	202241023039 A	9/04/2022	06/05/2022

Major Contributions apart from Teaching and Administration	Organized 10-days workshop on RDBMS and Oracle for the first time @ HIT
	Motivated and Supervised students for doing mini-projects in RDBMS
	Designed and developed Curriculum for CSE/ISE (Autonomous)
	Prepared NBA SAR for CSE program and got Accredited (2014-17)(2019-2023)
	Renovation of Computer laboratories for higher semester classes
	Organized more than 6 workshops/FDPs on RDBMS, C,C++ , java etc.,for the benefit of faculty
	Proposed and brought M.Tech Programme and R&D Centre (2017)
	Involved and proposed various Institutional level policies
	Improved infrastructure for catering the requirements of UG(180), PG(36) and R&D(28) students
	Strengthened R&D activities and Training & Placement activities
	Established Computer Laboratories, ML Lab and DATA SCIENCE Lab
	Renovation of Computer laboratories, Seminar Hall
	Organized more than 6 workshops/FDPs for the benefit of faculty
	Delivered more than 10 technical/motivational talks for the benefit of Faculty
	Prepared a comprehensive plan for administrative block
	Delivered a comprehensive presentation to faculty members on "How to enhance the quality of education @ PSGIT", "Roles and Responsibilities of Faculty@PSGIT", "How to lead happy successful life
	Motivated and Supervised students for doing mini-projects (working beyond syllabus)
	Guided innovative projects for UG and PG Students (CloudOS, Timetable generation)
	Proposed various schemes for betterment of Faculty and Students
	With a team of students and staff, Guided and implemented a software package for automating the operations of Karnataka State Fires and Emergency Services, Govt. of Karnataka – IGNIS
	With a team of students and staff, Guided and implemented a software for analysis and assessment of different skills of students at various levels – ROSAT
	Prepared NAAC SSR report for CSE program and also Criterions 2,3 & 7 of NAAC for the college
	Organized Training programs for students on Oracle and Java certification programs through Ethnotech Ltd.
	Registration process for students during odd sem to enforce discipline
	Student Kit with backpack for first year students to enhance brand building

	Coordinated Induction Program and AICTE Activity Point Programme for First year students
	Coordinated to enforce discipline and control ragging at Hostel
	Coordinated monitoring of first year classes along with cycle coordinators
	Coordinated for enforcing discipline on first year students having periodical meetings with class teachers and cycle coordinators
Administration Related:	Administration Related: Revision of Vision and Mission Statements Enforcing Decentralized and Disciplined Work Culture Forming Administration and Functional Committees, periodical meetings with action plans

Executive Summary:

Dr. LOKESH NELLEGERE SELVARAJSHIVALINGEGOWDA[LOKESH N S] is a distinguished seasoned academic and research professional in the field of Computer Science and Engineering and has occupied key positions such as Dean, Professor, and Head of Department at esteemed institutions in Tamilnadu Gujarat and Karnataka. Currently the Professor in at SJC Institute of Technology, Chickballapur . He has extensive experience in teaching, research, and industry, spanning over 20 years in academia and 10 years in research. He has made significant contributions to areas like, Clustering techniques, and Web mining, AI and Machine Learning, Nextgen healthcare, Speech Recognition,Iot, Cloud Computing etc. and he has guided 3 doctorates while evaluating numerous PhD thesis. Dr.Lokesh N S has completed various research projects funded by grants worth 150+ lakhs. With over 60 publications, including technical books, and leadership roles in academia and organized various seminars and workshops, he demonstrates a strong commitment to educational advancement and continuous professional development. He is an active participant in academic conferences and workshops, often serving as a keynote speaker. He has also been recognized for delivering expert lectures and contributing to prestigious conferences, earning acclaim for his work in Computer Science and Technology. His extensive contributions to data mining, AI & ML, network optimization, and image processing have earned him recognitions. As a leader, he emphasizes both student and faculty development, underscoring his dedication to educational excellence.

LOKESH N S